



Docket No. 031896-066100
(AHP981261C1)
Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT application of:

Bradley A. OZENBERGER *et al.*

Application No.: 09/774,936

Filed: January 31, 2001

For: β -amyloid Peptide Binding Proteins
and Polynucleotides Encoding The Same

)
) Group Art Unit: 1647

) Examiner: Stephen Gucker

) Confirmation No.: 5327

) Customer No.: 22204

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the cited documents is being mailed to the Examiner shortly, i.e., within the next few days.

This Supplemental Information Disclosure Statement is being filed pursuant to 37 C.F.R. § 1.97(c) before the mailing date of a final office action under 37 C.F.R. § 1.113. A check in the amount of \$180 is also submitted pursuant to 37 C.F.R. § 1.97(c).

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

05/06/2005 HALI11 00000043 192380 09:74936
01 FC:1806 180.00 DA

The PTO did not receive the following
listed item(s) A check in the
amount \$180 not submitted

Applicants respectfully note that two (2) of the cited references on the Form PTO-1449 constitute entire books, *i.e.*, Sambrook *et al.*, and Hogan *et al.*, and full copies of these more general materials will be forwarded to the Examiner upon request.

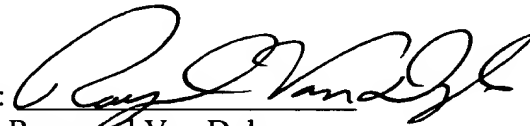
Applicants respectfully submit that the various cited references are for the most part background in nature, and are, at best, merely duplicative to the numerous previously-cited references.

The Commissioner is hereby authorized to charge any fees connected with this filing, which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

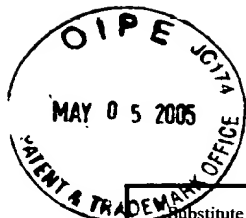
Date: May 02, 2005

By:



Raymond Van Dyke
Registration No. 34,746

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, D.C. 20004-2128
Telephone: (202) 585-8000
Fax: (202) 585-8080



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/774,936
				Filing Date	January 31, 2001
				First Named Inventor	B. A. OZENBERGER <i>et al.</i>
				Art Unit	1647
				Examiner Name	Stephen Gucker
Sheet	1	of	4	Attorney Docket Number	031896-066100 (AHP981261C1)

U.S. PATENT DOCUMENTS					
Examiner Initials ⁵	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,987,071	01-22-1991	CECH, T.R. <i>et al.</i>	
		US-5,116,742	05-26-1992	CECH, T.R. <i>et al.</i>	
		US-4,518,584	05-21-1985	MARK, D.F. <i>et al.</i>	
		US-5,656,477	08-12-1997	VITEK, M.P. <i>et al.</i>	
		US-5,693,478	12-02-1997	VITEK, M.P. <i>et al.</i>	
		US-5,652,092	07-29-1997	VITEK, M.P. <i>et al.</i>	

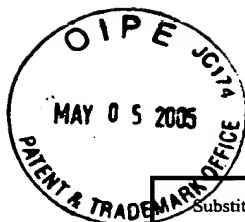
FOREIGN PATENT DOCUMENTS						
Examiner Initials ⁵	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ² (if known)				
		WO 99/31969	07-01-1999	NEUHOLD, L.A. <i>et al.</i>		
		WO 90/08832	08-09-1990	ONIONS, D.A. <i>et al.</i>		
		WO 95/34646	12-21-1995	YOUNG, K.H. <i>et al.</i>		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ⁵	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AUSUBEL, F.M. <i>et al.</i> (eds), "Current Protocols in Molecular Biology," John Wiley & Sons, Inc., Sections 2.10 and 6.3-6.4 (1995)	
		KAJKOWSKI, E.M. <i>et al.</i> , β -Amyloid peptide-induced apoptosis regulated by a novel protein containing a G protein activation module, <i>J. Biol. Chem.</i> , 276(22):18748-56 (2001)	
		KAUFMAN, R.J. <i>et al.</i> , Improved vectors for stable expression of foreign genes in mammalian cells by use of the untranslated leader sequence from EMC virus, <i>Nucleic Acids Res.</i> 19(16):4485-90 (1991)	
		KAUFMAN, R.J., Selection and coamplification of heterologous genes in mammalian cells, <i>Methods Enzymol.</i> , 185:537-66 (1990)	
		KYTE, J. and DOOLITTLE, R.F., A simple method for displaying the hydropathic character of a protein, <i>J. Mol. Biol.</i> , 157(1):105-32 (1982)	
		SUMMERS, M.D. and SMITH, G.E., A manual of methods for baculovirus vectors and insect cell culture procedures, <i>Texas Agricultural Experiment Station Bulletin</i> , 1555 College Station, Texas, Texas A&M University; (1987)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



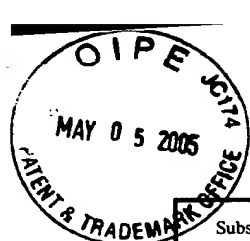
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
		Application Number	09/774,936		
		Filing Date	January 31, 2001		
		First Named Inventor	B. A. OZENBERGER <i>et al.</i>		
		Art Unit	1647		
Sheet	2	of	4	Examiner Name	Stephen Gucker
				Attorney Docket Number	031896-066100 (AHP981261C1)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BARTEL, D.P. and SZOSTAK, J.W., Isolation of new ribozymes from a large pool of random sequences, <i>Science</i> , 261:1411-1418, (1993)	
		BRADLEY, F. <i>et al.</i> , Formation of germ-line chimaeras from embryo-derived teratocarcinoma cell lines, <i>Nature</i> 309:255-256 (1984)	
		EVANS, M.J. AND KAUFMAN, M.H., Establishment in culture of pluripotent cells from mouse embryos, <i>Nature</i> 292:154-156 (1981)	
		FIELDS, S. AND SONG, O.-K., A novel genetic system to detect protein-protein interactions, <i>Nature</i> , 3240:245-246 (1989)	
		GAULTIER, C. <i>et al.</i> , α -DNA. IV: α -anomeric and β -anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole, synthesis, physicochemical properties and poly (rA) binding, <i>Nucl. Acids Res.</i> , 15: 6625-6641 (1987)	
		GOSSLER, A. <i>et al.</i> , Transgenesis by means of blastocyst-derived embryonic stem cell lines, <i>Proc. Natl. Acad. Sci. USA</i> , 83(23):9065-9069 (1986)	
		HASELHOFF, J. and GERLACH, W.L., Simple RNA enzymes with new and highly specific endoribonuclease activities, <i>Nature</i> , 334(6183):585-91 (1988)	
		HELENE, C. <i>et al.</i> , Control of gene expression by triple helix-forming oligonucleotides, <i>The Antigene Strategy</i> , Ann. N. Y. Acad. Sci., 660:27-36 (1992)	
		HELENE, C., The anti-gene strategy: control of gene expression by triplex-forming-oligonucleotides, <i>Anticancer Drug Des.</i> , 6(6):569-84 (1991)	
		INOUE, H. <i>et al.</i> , Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H, <i>FEBS Lett.</i> , 215(2):327-30 (1987)	
		INOUE, H. <i>et al.</i> , Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides, <i>Nucl. Acids Res.</i> , 15:6131-6148 (1987)	
		JAHNER, D. <i>et al.</i> , Insertion of the bacterial gpt gene into the germ line of mice by retroviral infection, <i>Proc. Natl. Acad. Sci. U S A</i> , 82(20):6927-31 (1985)	
		LEWIN, B., <i>Genes II</i> , John Wiley & Sons, NY, p. 96 (1985)	
		MAHER, L.J., III, DNA triple-helix formation: an approach to artificial gene repressors?, <i>Bioessays</i> , 14(12):807-15 (1992)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/774,936
				Filing Date	January 31, 2001
				First Named Inventor	B. A. OZENBERGER <i>et al.</i>
				Art Unit	1647
				Examiner Name	Stephen Gucker
Sheet	3	Of	4	Attorney Docket Number	031896-066100 (AHP981261C1)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³	
		BRINSTER, R.L. <i>et al.</i> , Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs, <i>Proc. Natl. Acad. Sci. U S A</i> , 82(13):4438-42 (1985)		
		COLE, S.P.C. <i>et al.</i> , The EBV-hybridoma technique and its application to human lung cancer, in <i>Monoclonal Antibodies and Cancer Therapy</i> , Vol. 27, UCLA Symposia on Molecular and Cellular Biology, New Series, R.A. Reisfeld and S.Sell (eds), pp. 77-96, Alan R. Liss, Inc., N.Y. (1985)		
		HASKELL, R.E. and BOWEN, R.A., Efficient production of transgenic cattle by retroviral infection of early embryos, <i>Mol. Reprod. Dev.</i> , 40(3):386-90 (1995)		
		HOGAN, B. <i>et al.</i> , Manipulating the Mouse Embryo, A Laboratory Manual, Cold Spring Harbor Press, Cold Spring Harbor, New York (1986)		
		JAENISCH, R., Germ line integration and Mendelian transmission of the exogenous Moloney leukemia virus, <i>Proc. Natl. Acad. Sci. U S A</i> , 73(4):1260-4 (1976)		
		JAENISCH, R., Transgenic animals, <i>Science</i> , 240(4858):1468-74 (1988)		
		JAHNER, D. <i>et al.</i> , De novo methylation and expression of retroviral genomes during mouse embryogenesis, <i>Nature</i> , 298:623-628 (1982)		
		KOHLER, G. and MILSTEIN, C., Continuous cultures of fused cells secreting antibody of predefined specificity, <i>Nature</i> , 256(5517):495-7(1975)		
		KOZBOR, D and RODER, J.C., The production of monoclonal antibodies from human lymphocytes, <i>Immunology Today</i> , 4(3):72-79 (1983)		
		O'BRIEN, S.J. <i>et al.</i> , Anchored reference loci for comparative genome mapping in mammals, <i>Nat Genet.</i> , 3(2):103-12 (1993)		
		O'BRIEN, S.J. <i>et al.</i> , Mammalian genome organization: an evolutionary view, <i>Annu. Rev. Genet.</i> , 22:323-51 (1988)		
		ROBERTSON, E. <i>et al.</i> , Germ-line transmission of genes introduced into cultured pluripotent cells by retroviral vector. <i>Nature</i> , 323(6087):445-8 (1986)		
		STEWART, C. L. <i>et al.</i> , Expression of retroviral vectors in transgenic mice obtained by embryo infection, <i>EMBO J.</i> , 6(2):383-8 (1987)		
		VAN DER PUTTEN, H. <i>et al.</i> , Efficient insertion of genes into the mouse germ line via retroviral vectors, <i>Proc. Natl. Acad. Sci. U S A</i> , 82(18):6148-52 (1985)		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/774,936
				Filing Date	January 31, 2001
				First Named Inventor	B. A. OZENBERGER <i>et al.</i>
				Art Unit	1647
				Examiner Name	Stephen Gucker
Sheet	4	Of	4	Attorney Docket Number	031896-066100 (AHP981261C1)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		CARVER, E.A. and STUBBS, L., Zooming in on the human-mouse comparative map: genome conservation reexamined on a high-resolution scale, <i>Genome Res.</i> , 7(12):1123-37 (1997)		
		JOHANSSON, M. <i>et al.</i> , Comparative mapping reveals extensive linkage conservation--but with gene order rearrangements--between the pig and the human genomes, <i>Genomics</i> , 25(3):682-90 (1995)		
		LYONS, L.A. <i>et al.</i> , Comparative anchor tagged sequences (CATS) for integrative mapping of mammalian genomes, <i>Nat. Genet.</i> , 15(1):47-56 (1997)		
		O'BRIEN, S.J. <i>et al.</i> , Comparative genomics: lessons from cats, <i>Trends Genet.</i> , 13(10):393-9 (1997)		
		SAMBROOK, J., FRITSCH, E.F., and MANIATIS, T. (eds), "Molecular Cloning: A Laboratory Manual," Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, Chapters 9 and 11 (1989)		
		KRISHNAMURTHY, K. <i>et al.</i> , Characterization of fibrillogenesis of amyloid peptide, Abstracts of the American Chemical Society, Vol. , p. , 215 th National Meeting and Exposition, March 29-April 2, 1998, Dallas, Texas		
		ANDREWS, P. W. <i>et al.</i> , Retinoic acid induces neuronal differentiation of a cloned human embryonal carcinoma cell line in vitro, <i>Dev. Biol.</i> , 103:285-293 (1984)		
		COTMAN, C. W. and ANDERSON, A.J., A potential role for apoptosis in neurodegeneration and Alzheimer's disease, <i>Mol. Neurobiol.</i> , 10(1):19-45 (1995)		
		BURSTEIN, E. <i>et al.</i> , The second intracellular loop of the m5 muscarinic receptor is the switch which enables G-protein coupling, <i>J. Biol. Chem.</i> , 273:25422-24327 (1998)		
		ROSENTHAL, W. <i>et al.</i> , Nephrogenic diabetes insipidus. A V2 vasopressin receptor unable to stimulate adenylyl cyclase, <i>J. Biol. Chem.</i> , 268:13030-13033 (1993)		
		JONES, P. <i>et al.</i> , The function of a highly-conserved arginine residue in activation of the muscarinic M1 receptor, <i>Eur. J. Pharmacol.</i> , 288:251-257 (1995)		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.